QNAP

TS-x70 Pro Series

- Intuitive GUI with Multi-window and Multi-tasking Design
- Cross Platform Data Storage, Backup and Sharing Center
- Free Private Cloud Storage with Dropbox-style Data Sync
- VMware® Ready, Citrix® Ready, and Microsoft® Hyper-V Compatible mjb
- 10 GbE Ready and SSD Caching Support for Ultra-High Performance
- HD Video Playback via HDMI and Real-time Transcoding
- Over 90 Install-on-demand Applications via App Center

TurboNAS Business Series

Overview

Modern businesses face the challenge of dramatic growth of digital data. Deploying a reliable, affordable, and expandable storage center to securely store, share, and back up digital assets has become an important task for the IT administrators. QNAP Turbo NAS provides an efficient and flexible network attached storage solution with multi-window and multi-tasking QTS 4.0 Turbo NAS operating system. The Turbo NAS delivers a high-performing storage solution with optional expansion for four GbE ports or two 10 GbE ports. SSD caching technology accelerates the random IOPS by up to 10 times and reduces I/O latency by up to 3 times for the storage volume. QNAP provides powerful utilities and mobile apps which help business users to easily build up private cloud storage for data access, sharing, synchronization, and backup anywhere, anytime via the Internet. With VMware® Ready™ and Citrix® Ready™ verifications, and proven compatibility with Microsoft® Hyper-V™ environment, the Turbo NAS is an ideal shared storage solution in a virtualized and clustered environment. Furthermore, the smart NAS offers built-in App Center with over 90 apps for even more applications in various industries.

QNAP QTS 4.0

Intuitive, innovative operating system featuring synchronization capabilities, multi-window and easy management.

Innovative Desktop

The QTS 4.0's intelligent desktop offers an intuitive, sleek, and easy-to-follow graphic user interface, simplifying the whole Turbo NAS experience. It allows you to open multiple application windows and run multiple tasks simultaneously. Application windows can be minimized to the toolbar which allows you to see an overview of the opened applications and switch among the running applications.

Intelligent Desktop

Smart toolbar

Background tasks
Displays all the active tasks and scheduled jobs performed in the background.

External device
Access the connected storage devices and eject the devices safely with only one click.

Event notifications
Displays constant updates of system information such as system warnings and other error messages.

Quick search
Quickly search the system settings and QTS Help content using relevant keywords.

Main menu
All your applications, system preferences, and additional apps installed from the App Center are neatly presented for you to find your desired app quickly. Drag and drop frequently used icons to the desktop as shortcuts for quick access.

Multiple desktops
This extended desktop workspace is designed specifically to improve your productivity. You can separate the apps onto different desktops according to their nature or genre and switch between the desktops freely.

Smart dashboard
In one click the smart dashboard presents all important system information in a single panel. Drag any status to the desktop for constant monitoring.

Centralized Storage and File Sharing

Cross-platform Sharing

The Turbo NAS supports SMB/CIFS, AFP, and NFS protocols for file sharing across Windows, Mac, or Linux/UNIX networks. User accounts and shared folders can be created via the user-friendly web-based interface without IT expertise.

File Station

Upload, download and manage files anywhere with a web browser. File extraction, folder creation, smart search files or folders are functioned over the Internet. Preview your photos and videos through any web browsers too!

Windows ACL

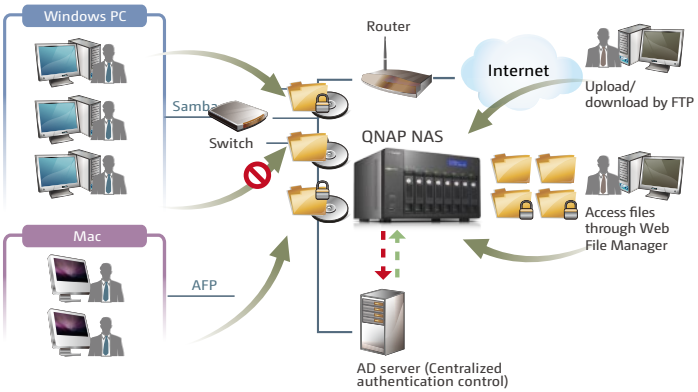
Basic permissions and 13 advanced permissions can be set up from the Windows Explorer and synchronized with the permission settings of the Turbo NAS. In addition, the same permissions can be applied to AFP, FTP, Web File Manager, and Microsoft Networking when Advanced Folder Permissions are enabled at the same time.

Advanced Folder Permissions

Advanced folder permissions allow users to configure folder and subfolder access to the Turbo NAS. Users can manage the folder permissions from the web-based management interface of the Turbo NAS easily.

Windows Active Directory (AD) and LDAP Directory Service

Retrieve multiple user accounts from a Windows AD server or an LDAP directory server by the Turbo NAS for efficient account setup.



Well-rounded Backup Solution

Client Backup

The QNAP Turbo NAS supports NetBak Replicator, Time Machine and more third party backup software.

External Backup

QNAP Turbo NAS comes with a “one touch data copy button” for direct data backup between the Turbo NAS and external USB/eSATA storage devices.

Remote Backup

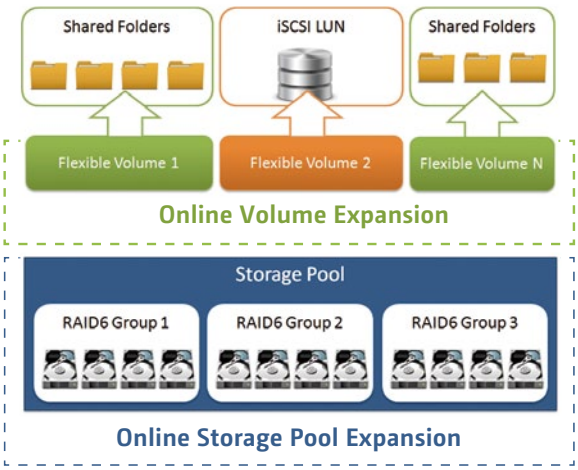
- Back up the Turbo NAS data to another remote Turbo NAS or an FTP server on a real-time basis via QNAP’s Real-time Remote Replication (RTRR) service.
- Back up the Turbo NAS data to a standard rsync server on scheduled basis via the rsync protocol.

Cloud Backup

- Real-time data backup from the Turbo NAS to online cloud storage services: Amazon S3, ElephantDrive, Symform, Dropbox, or Google Drive.

QNAP Flexible Volume

QNAP Flexible Volume provides a more secure and flexible way to store and manage the NAS data. This next generation volume offers powerful features such as storage pooling with multiple RAID, thin-provisioned volume with space reclamation, and online capacity expansion.



Surveillance

Surveillance Station Pro

The Surveillance Station Pro allows users to easily set up a home security system and flexibly choose the IP cameras for live view monitoring, recording, and playback. The live view provides instant video images from the monitored areas. Event notifications and fast video retrieval also offered. iOS® or Android™ users can install the VMobile app to monitor the surveillance channels anytime and anywhere.

Private Cloud Storage

myQNAPcloud service
Create your own private cloud with the free myQNAPcloud service. The Turbo NAS creates your own unique URL and in a few easy steps, you will be able to access your files on any web browser.

VPN Sever
The VPN service allows you to access the Turbo NAS on the same local network from the Internet and easily manage the files by drag-and-drop through the file browser.

CloudLink
CloudLink helps you pass through the complicated network environment and connect to the Turbo NAS from a remote PC and easily access the data from anywhere without complicated settings.

myQNAPcloud Connect
myQNAPcloud Connect is a Windows VPN connection utility. It can establish a secure VPN connection with the remote NAS over the Internet and enable you to access the NAS as if it were in the network.

Dropbox-style Data Sync

Qsync
Your Turbo NAS becomes a safe data center for file synchronization with huge storage. Qsync provides multiple ways of file synchronization and group file sharing, greatly enhancing the flexibility of collaboration. Whenever you add, edit, delete or rename a file on one computer, the change applies to all others linked with the Turbo NAS, so you have exactly identical contents on all your devices.

Save storage
Remove the files on one computer without affecting the files stored on other devices linked with the Turbo NAS. Even when someone updates the same files from another computer, Qsync will ensure that you will always have the latest files. When synchronizing files, you can choose to only sync specific subfolders within the Qsync folder.

Share team folders with different groups of people
Create subfolders within the Qsync folder, and share each with different groups of Turbo NAS users as a file exchange center. Everyone in the same subfolder is always kept up-to-date with the latest version of the files.

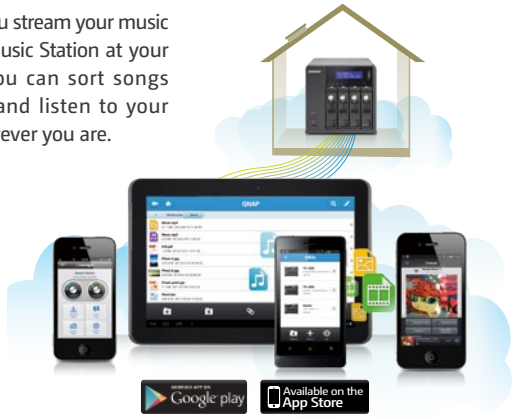
Quickly share files with download links
You can create download links to share files with others. This greatly reduces the time in creating user account and password for users just to share less-important documents.

Mobility and Remote Access

Qfile
You can manage as many Turbo NAS units as you want by Qfile and conveniently connect to any of them in the login page. Enable the auto-upload function will let your pictures and photo album automatically sync to your Turbo NAS and works as a real-time backup of your precious photos. Qfile displays thumbnails on the list for you to easily identify the file type at a glance. You can move, copy, rename or delete files on the Turbo NAS, all with your mobile device.

Qmanager
Qmanager lets you monitor the CPU usage, memory usage, system event info, and active users. You can also remotely check the connection status or logged in users to prevent unauthorized activities. Remotely restart or shut down your Turbo NAS, and use Qmanager to turn the application services on and off. You can use Wake on LAN to power on your NAS. It only takes a single click and you are done!

Qmusic
Qmusic lets you stream your music library from Music Station at your fingertips. You can sort songs by category and listen to your favorites wherever you are.



QNAP mobile apps are available at Google Play Store and the Apple App Store.

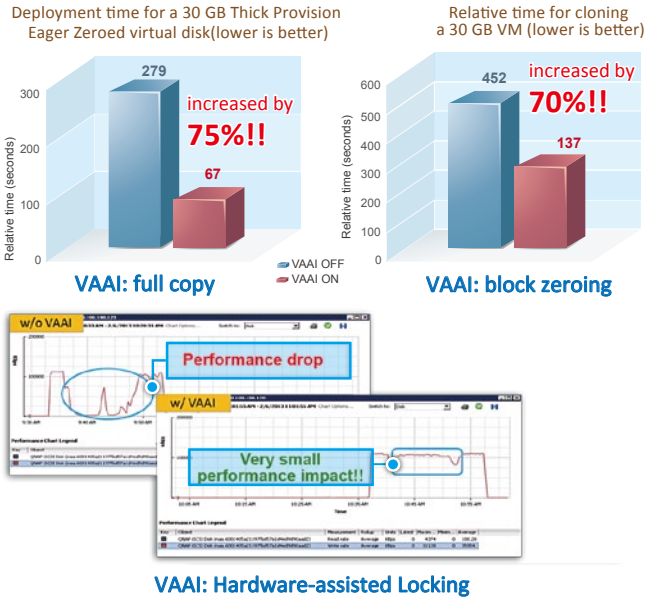
Storage for Virtualization

Datastore for VMware with VAAI Support

VMware vStorage APIs Integration (VAAI) is a set of APIs that allow ESXi hosts to offload processing for certain storage-related services to storage systems. The integration of QNAP NAS with VMware VAAI offers the optimal performance for customers to deploy a virtualization environment.

VAAI for iSCSI supports Full Copy (hardware-assisted copy), Block Zeroing (hardware-assisted zeroing), Hardware-assisted Locking, and Thin Provisioning with Space Reclaim. VAAI for NAS supports Full File Clone, Extended Statistics, and Reserve Space.

Enhanced Performance by VAAI

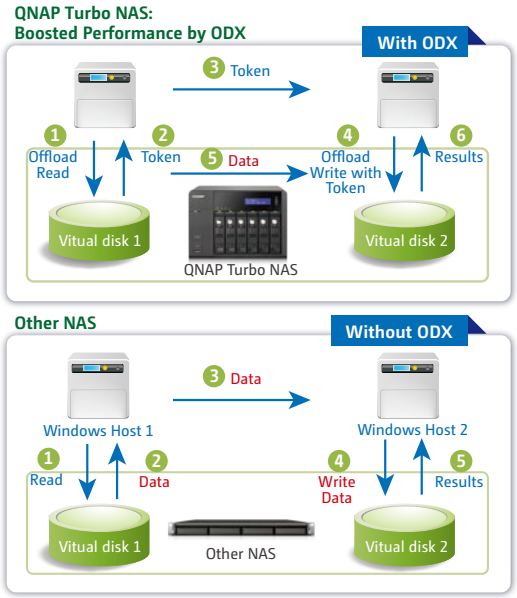


VMware vSphere Plug-in

The vSphere plug-in allows users to manage the QNAP Turbo NAS directly on the vSphere client, making datastore management more effective.

Storage for Microsoft Hyper-V with ODX Support

With Offloaded Data Transfer (ODX) support, the QNAP Turbo NAS becomes a high performance iSCSI storage solution under Windows Server 2012, including Hyper-V virtualized environment. QNAP storages enable full copies of virtual machines within the NAS without requiring the Windows hosts to read and write the data. This highly reduces the loading of Windows hosts and improves the performance of copy and move operations for Windows 2012 hosts using the QNAP iSCSI storage. When providing QNAP storage to a Windows 2012 file server, the end user using Windows 8 client workstation will also benefit from the Offloaded copy process for large file transfers.



NAS Management via SCVMM

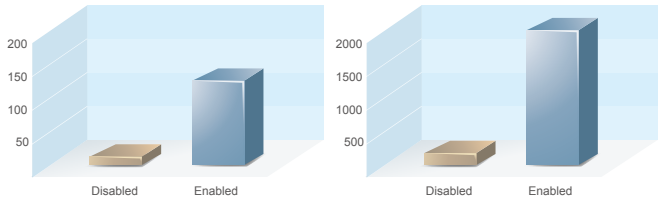
The QNAP SMI-S provider enables management of the QNAP Turbo NAS directly through Microsoft System Center Virtual Machine Manager 2012 (SCVMM).

Microsoft System Center Virtual Machine Manager 2012

Exceptional Perfomance

SSD Caching Acceleration*

Accelerates the IOPS performance by 10 times and reduces I/O latency by 3 times for the storage volumes. This feature is perfect for IOPS demanding applications such as virtualization to significantly improve overall work flow.

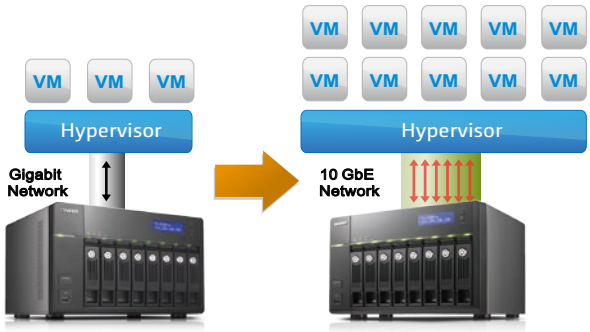


Note: Cached IO performance of SSD caching is based on application and IO pattern. Before using this feature, please make sure your application is read-intensive operation.

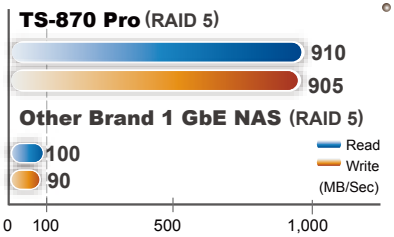
* Applied to the TS-x70 Pro series models only.

10 Gigabit Ethernet Storage Solution

The QNAP TS-X70 Pro Series Turbo NAS supports optional 10GbE adaptor, including SFP+ and 10G Base-T interface. The 10 Gb speed increases the agility of data transmission in a virtualized environment, intensifying NFS and iSCSI connection performance, and enables more VMs with multiple transactions running concurrently without performance penalty.



Throughput



Testing Environment:
2 Client PC configurations:
Intel(R) Core(TM) i7-2600 CPU, 16GB DDR3 RAM, Windows 7 professional 64-bit, Dual-port QNAP LAN-10G2T 10GBASE-T network expansion module, IOMeter sequential read and write.

NAS Configurations:
QNAP LAN-10G2D 10G2T 10GBASE-T network expansion module, 802.3ad trunking mode, full load Samsung HD103SJ 1TB SATA HDD, RAID 5.

Network Configurations:
Connect the NAS and two client PCs to Cisco 4900M 10GbE switch.

HD Video Playback via HDMI and Real-time Transcoding

Play HD video files on TV via HDMI

By installing the free HD Station application and connecting the Turbo NAS to a big-screen TV via HDMI, you can turn the NAS into an amazing multimedia player, and easily enjoy the vast video, music and photo collections stored on the Turbo NAS, surf the web, and enjoy YouTube on the TV.

USB keyboard and mouse

You can also choose a wired/wireless USB keyboard and mouse to use the HD Station and surf the web.

▲Note: for tower models only.

Turbo NAS Business Series - Tower

Model	TS-870 Pro	TS-869 Pro	TS-670 Pro	TS-669 Pro	TS-569 Pro	TS-470 Pro	TS-469 Pro	TS-269 Pro
CPU	Intel® Core™ i3-3220 3.3 GHz Dual Core	Intel® Atom™ 2.13 GHz Dual Core	Intel® Core™ i3-3220 3.3 GHz Dual Core	Intel® Atom™ 2.13 GHz Dual Core	Intel® Atom™ 2.13 GHz Dual Core	Intel® Core™ i3-3220 3.3 GHz Dual Core	Intel® Atom™ 2.13 GHz Dual Core	Intel® Atom™ 2.13 GHz Dual Core
Memory	2GB DDR3	1GB DDR3	2GB DDR3	1GB DDR3	1GB DDR3	2GB DDR3	1GB DDR3	1GB DDR3
Extra RAM Slot (Memory Expansion)	--	✓ (Up to 3GB)	--	✓ (Up to 3GB)	✓ (Up to 3GB)	--	✓ (Up to 3GB)	✓ (Up to 3GB)
Internal HDD/SSD(1)	8 x 2.5"/3.5" SATA 6Gb/s	8 x 2.5"/3.5" SATA 6Gb/s	6 x 2.5"/3.5" SATA 6Gb/s	6 x 2.5"/3.5" SATA 6Gb/s	5 x 2.5"/3.5" SATA 6Gb/s	4 x 2.5"/3.5" SATA 6Gb/s	4 x 2.5"/3.5" SATA 6Gb/s	2 x 2.5"/3.5" SATA 6Gb/s
Maximum RAW Capacity(1)	32TB	32TB	24TB	24TB	20TB	16TB	16TB	8TB
Hard Drive Tray	Hot Swappable with Key Lock	Hot Swappable with Key Lock	Hot Swappable with Key Lock	Hot Swappable with Key Lock	Hot Swappable with Key Lock	Hot Swappable with Key Lock	Hot Swappable with Key Lock	Hot Swappable with Key Lock
USB 3.0	Back: 2	Back: 2	Back: 2	Back: 2	Back: 2	Back: 2	Back: 2	Back: 2
USB 2.0	Front: 1, Back: 2	Front: 1, Back: 4	Front: 1, Back: 2	Front: 1, Back: 4	Front: 1, Back: 4	Front: 1, Back: 2	Front: 1, Back: 4	Front: 1, Back: 4
eSATA	2	2	2	2	2	2	2	1
Gigabit LAN Port	2 (Max 4)(3)	2	2 (Max 4)(3)	2	2	2 (Max 4)(3)	2	2
10GbE Ready(3)	✓ (optional)	--	✓ (optional)	--	--	✓ (optional)	--	--
HDMI Port	✓	✓	✓	✓	✓	✓	✓	✓
VGA Port	--	✓	--	✓	✓	--	✓	--
LCD	✓	✓	✓	✓	✓	✓	✓	--
Dimensions (HxWxD)	185.2 x 298.2 x 235.4 mm 7.29 x 11.74 x 9.27 inch	185.2 x 298.2 x 235.4 mm 7.29 x 11.74 x 9.27 inch	175 x 257 x 235 mm 6.89 x 10.12 x 9.25 inch	175 x 257 x 235 mm 6.89 x 10.12 x 9.25 inch	185 x 210.6 x 235.4 mm 7.28 x 8.29 x 9.27 inch	177 x 180 x 235 mm 6.97 x 7.09 x 9.25 inch	177 x 180 x 235 mm 6.97 x 7.09 x 9.25 inch	150 x 102 x 216 mm 5.91 x 4.02 x 8.5 inch
Weight	Net: 7.4 kg (16.31 lbs) Gross: 8.7 kg (19.18 lbs)	Net: 7.3 kg (16.08 lbs) Gross: 8.6 kg (18.94 lbs)	Net: 5.3 kg (11.68 lbs) Gross: 6.6 kg (14.55 lbs)	Net: 5.2 kg (11.46 lbs) Gross: 6.5 kg (14.33 lbs)	Net: 5.1 kg (11.24 lbs) Gross: 6.5 kg (14.33 lbs)	Net: 3.75 kg (8.27 lbs) Gross: 4.75 kg (10.47 lbs)	Net: 3.65 kg (8.04 lbs) Gross: 4.65 kg (10.24 lbs)	Net: 1.74 kg (3.84 lbs) Gross: 2.92 kg (6.44 lbs)
Supported RAID Types	Single Disk, JBOD, RAID 0, 1, 5, 6, 10, 5 + Hot Spare, 6 + Hot Spare, 10 + Hot Spare					Single Disk, JBOD, RAID 0, 1, 5, 6, 10, 5 + Hot Spare		Single Disk, JBOD, RAID 0, 1
Power	350W	350W	250W	250W	250W	250W	250W	90W External Adapter
Smart Fan	2 x 12 cm		2 x 9 cm		1 x 12 cm	1 x 9 cm		1 x 7 cm
Power Consumption(2)	HDD Standby: 38W; Access: 93W	HDD Standby: 30W; Access: 59W	HDD Standby: 32.6W; Access: 84.9W	HDD Standby: 31.5W; Access: 63.6W	HDD Standby: 29.1W; Access: 48.5W	HDD Standby: 33W; Access: 61.8W	HDD Standby: 25W; Access: 43W	HDD Standby: 16W; Access: 25W
Max User Accounts	4000	3000	4000	3000	3000	4000	3000	3000
Max Groups	500	500	500	500	500	500	500	500
Max Shared Folders	500	500	500	500	500	500	500	500
Max Concurrent Connections	800	600	800	600	600	800	600	600
Max IP Cam Recording Channels (1 free channel included)	16	16	16	16	16	16	16	16

(1) The standard system is shipped without hard drives. Please visit www.qnap.com for the official hard drive compatibility list.
(2) Actual results may vary due to environment factors and other variables.
(3) Additional network expansion cards are required (optional).

ALL specifications are subject to change without notice.
For more QNAP product information, please visit www.qnap.com

App Center

Turn your mobile in to a remote

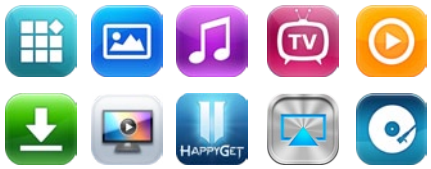
Install the QNAP "Qremote" app or the official XBMC Remote app, you can use your iOS or Android devices as a remote control and enjoy your multimedia contents.

Official XBMC Remote

Qremote

Powerful, organized, rich-in-content

The new App Center makes it easy to find and install all sorts of apps and also acts as a central platform to manage and update your installed apps.



Turbo NAS Business Series - Rack Mount

Model	TS-1269U-RP	TS-869U-RP	TS-469U-RP	TS-469U-SP	TS-421U	TS-420U
CPU	Intel® Atom™ 2.13 GHz Dual Core	Intel® Atom™ 2.13 GHz Dual Core	Intel® Atom™ 2.13 GHz Dual Core	Intel® Atom™ 2.13 GHz Dual Core	Marvell® 6282 2.0 GHz	Marvell® 6282 1.6 GHz
Memory	2GB DDR3	2GB DDR3	1GB DDR3	1GB DDR3	1GB DDR3	1GB DDR3
Extra RAM Slot (Memory Expansion)	✓ (Up to 3GB)	✓ (Up to 3GB)	✓ (Up to 3GB)	✓ (Up to 3GB)	--	--
Internal HDD/SSD[1]	12 x 2.5"/3.5" SATA 6Gb/s	8 x 2.5"/3.5" SATA 6Gb/s	4 x 2.5"/3.5" SATA 6Gb/s	4 x 2.5"/3.5" SATA 6Gb/s	4 x 2.5"/3.5" SATA 3Gb/s	4 x 2.5"/3.5" SATA 3Gb/s
Maximum RAW Capacity[1]	48TB	32TB	16TB	16TB	16TB	16TB
Hard Drive Tray	Hot Swappable with Key Lock	Hot Swappable with Key Lock	Hot Swappable with Key Lock	Hot Swappable with Key Lock	Hot Swappable with Key Lock	Hot Swappable with Key Lock
USB 3.0	Back: 2	Back: 2	Back: 2	Back: 2	Back: 2	Back: 2
USB 2.0	Back: 4	Back: 4	Front: 1, Back: 4	Front: 1, Back: 4	Front: 1, Back: 1	Front: 1, Back: 1
eSATA	2	2	2	2	2	2
Gigabit LAN Port	2	2	2	2	2	2
10GbE Ready[3]	--	--	--	--	--	--
HDMI Port	1 (reserved)	1 (reserved)	1 (reserved)	1 (reserved)	--	--
VGA Port	1	1	1	1	--	--
LCD	--	✓	--	--	--	--
Dimensions (HxWxD)	89 x 482 x 534 mm 3.50 x 18.98 x 21.02 inch	89 x 482 x 534 mm 3.50 x 18.98 x 21.02 inch	44 x 439 x 499 mm 1.73 x 17.28 x 19.65 inch	44 x 439 x 499 mm 1.73 x 17.28 x 19.65 inch	44 x 439 x 483 mm 1.73 x 16.97 x 19.02 inch	44 x 439 x 483 mm 1.73 x 16.97 x 19.02 inch
Weight	Net: 11.54 kg (25.44 lbs) Grosst: 19.58 kg (43.17 lbs)	Net: 11.02 kg (24.29 lbs) Grosst: 19.26 kg (42.46 lbs)	Net: 7.63 kg (16.82 lbs) Gross: 9.55 kg (21.05 lbs)	Net: 7.43 kg (16.38 lbs) Gross: 9.35 kg (20.61 lbs)	Net: 6.7 Kg (14.77 lb) Gross: 9.5 Kg (20.94 lb)	Net: 6.7 Kg (14.77 lb) Gross: 9.5 Kg (20.94 lb)
Supported RAID Types	Single Disk, JBOD, RAID 0, 1, 5, 6, 10, 5 + Hot Spare, 6 + Hot Spare, 10 + Hot Spare		Single Disk, JBOD, RAID 0, 1, 5, 6, 10, 5 + Hot Spare			
Power	380W Redundant PSU	300W Redundant PSU	250W Redundant PSU	250W Single PSU	250W Single PSU	250W Single PSU
Smart Fan	2 x 7 cm		2 x 4 cm			
Power Consumption[2]	HDD Standby: 66.8W; Access: 81.2W	HDD Standby: 56.6W; Access: 74.7W	HDD Standby: 37W; Access: 52W	HDD Standby: 37W; Access: 52W	HDD Standby: 12W; Access: 33W	HDD Standby: 15W; Access: 29W
Max User Accounts	3000	3000	3000	3000	2500	2500
Max Groups	500	500	500	500	300	300
Max Shared Folders	500	500	500	500	300	300
Max Concurrent Connections	600	600	600	600	260	260
Max IP Cam Recording Channels (1 free channel included)	16	16	16	16	8	8

Software Specifications

Operating System
- Embedded Linux

Supported Clients
- Windows XP, Vista, Windows 7 (32/64-bit), Windows 8 (32/64-bit), Windows Server 2003/2008 R2/2012
- Apple Mac OS X
- Linux & UNIX

Supported Browsers
- Microsoft Internet Explorer 10
- Mozilla Firefox 8+
- Apple Safari 4+
- Google Chrome

Multilingual Support
- Chinese (Traditional & Simplified), Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese (Brazil), Romanian, Russian, Spanish, Swedish, Thai, Turkish

File System
- Internal Hard Drive: EXT3, EXT4
- External Hard Drive: EXT3, EXT4, NTFS, FAT32, HFS+

Networking
- TCP/IP (IPv4 & IPv6: Dual Stack)
- Dual Gigabit NICs with Jumbo Frame
  - Failover
  - Multi-IP Settings
  - Port Trunking/NIC Teaming
- Service Binding Based on Network Interfaces
- Proxy Client, Proxy Server
- DHCP Client, DHCP Server
- Protocols: CIFS/SMB, AFP (v3.3), NFS(v3), FTP, FTPS, SFTP, TFTP, HTTP(S), Telnet, SSH, iSCSI, SNMP, SMTP, and SMSC
- UPnP & Bonjour Discovery
- USB Wi-Fi Adapter Support

Security
- Network Access Protection with Auto-blocking: SSH, Telnet, HTTP(S), FTP, CIFS/SMB, AFP
- CIFS Host Access Control for Shared Folders
- FIPS 140-2 Validated AES 256-bit Volume-based Data Encryption**
- AES 256-bit External Drive Encryption**
- Importable SSL Certificate
- Instant Alert via E-mail, SMS, Beep, and LCD Panel*

Disk Management
- QNAP Flexible Volume with Thin Provisioning and Space Reclamation
- Supports Storage Pool
- Online Volume Expansion
- Online Storage Pool Expansion
- Online RAID Capacity Expansion and Online RAID Level Migration
- SMART Data Migration
- Bad Block Scan and Hard Drive S.M.A.R.T.
- Bad Block Recovery
- RAID Recovery
- Bitmap Support

Power Management
- Wake on LAN
- Internal Hard Drive Standby Mode
- Scheduled Power on/off
- Automatic Power on after Power Recovery
- USB and Network UPS Support with SNMP Management

Access Right Management
- Batch Users Creation
- Import/Export Users
- User Quota Management
- Local User Access Control for CIFS, AFP, FTP, and WebDAV,
- Application Access Control for Photo Station, Music Station, Video Station, and Multimedia Station
- Subfolder Permissions Support for CIFS/SMB, AFP, FTP, and File Station

Domain Authentication Integration
- Microsoft Active Directory (AD)
- LDAP Server, LDAP Client
- Domain Users Login via CIFS/SMB, AFP, FTP, and File Station

myQNAPcloud Service
- Private Cloud Storage and Sharing
- Free Host Name Registration (DDNS)
- Auto Router Configuration (via UPnP)
- CloudLink for Remote Access without Complicated Router Setup
- myQNAPcloud Connect for Easy VPN Connection (Windows VPN Utility)

Qsync
- Syncs Files among Multiple Devices through the NAS
- Option for Not Removing Files on the NAS during Synchronization
- Selective Synchronization
- Shares Securely with SSL
- Team Folder
- Shares Files by Links via E-mail
- Uploads Photos or Videos to Qsync Folder Automatically via Qfile
- Restores Files from Network Recycle Bin
- File Name Conflict Policy
- Option for Filter Settings
- Privilege Control for Qsync Users
- Supports Windows & Mac OS

Web Administration
- Multi-window, Multi-tasking based System Management
- Movable Icons and Personalized Desktop
- Smart Toolbar and Dashboard for Neat Display on System Status
- Smart Fan Control
- Dynamic DNS (DDNS)
- SNMP (v2 & v3)
- Resource Monitor
- Network Recycle Bin for File Deletion via CIFS/SMB and AFP
  - Automatic Cleanup
  - File Type Filter
- Comprehensive Logs (Events & Connection)
- Syslog Client/Server
- Firmware Live Update
- System Settings Backup and Restore
- Restore to Factory Default
- Mobile App Qmanager for Remote Monitoring

File Server
- File Sharing across Windows, Mac, and Linux/UNIX
- Windows ACL
- Advanced Folder Permission for CIFS/SMB, AFP, FTP
- Shared Folder Aggregation (CIFS/SMB)

FTP Server
- FTP over SSL/TLS (Explicit)
- FXP Supported
- Passive FTP Port Range Control

File Station
- Supports ISO Mounting (Up to 256 ISO Files)
- Creates and Sends Download Links for Sharing Public Files with Expiration Time and Password Protection
- Drag-n-drop Files via Chrome and Firefox Browsers
- Photo, Music, and Video Preview and Playback Empowered by Built-in Transcoding Technology
- File Compression (ZIP or 7z)
- Mobile App: Qfile for File Browsing and Management

Backup Station
- Remote Replication Server (over Rsync)
- Real-time Remote Replication (RTRR) to another QNAP NAS or FTP Server
- Works as Both RTRR Server & Client with Bandwidth Control
- Real-time & Scheduled Backup
- Encryption, Compression, File Filter, and Transfer Rate Limitation
- Encrypted Replication between QNAP NAS Servers
- Desktop Backup by QNAP NetBak Replicator for Windows
- Apple Time Machine Support with Backup Management
- Data Backup to Multiple External Storage Devices
- Synchronizes with Cloud Storage: Amazon S3, ElephantDrive, Symform, Dropbox, and Google Drive
- Third Party Backup Software Support: Veeam Backup & Replication, Acronis True Image, ARCserve Backup, EMC Retrospect, Symantec Backup Exec, etc.

Print Server
- Max No. of Printers: 3
- Supports Internet Printing Protocol
- Print Job Display and Management
- IP-based and Domain Name-based Privilege Control

Storage Plug & Connect
- Creates and Maps Shared Folders by QNAP Windows Qfinder
- Creates and Connects to iSCSI Target/LUN

iSCSI (IP SAN)
- iSCSI Target with Multi-LUNs per Target (Up to 256 Targets/LUNs Combined)
- Supports LUN Mapping & Masking
- Block-based LUN
- Thin-provisioned LUN with Space Reclamation
- Online LUN Capacity Expansion
- Supports SPC-3 Persistent Reservation
- Supports MPIO & MC/S
- iSCSI LUN Backup, One-time Snapshot, and Restore
- iSCSI Connection and Management by QNAP Finder (Windows)
- Virtual Disk Drive (via iSCSI Initiator)
- Stack Chaining Master
- Max No. of Virtual Disk Drives: 8

Server Virtualization & Clustering
- VMware vSphere (ESX/ESXi 4.x, 5.x)
- VMware VAAI for iSCSI and VAAI for NAS
- vSphere Plug-in
- Citrix XenServer (6.0)
- Windows Server 2012 Hyper-V
- Supports Microsoft ODX
- QNAP SMI-S Provider for Microsoft SCVMM
- Windows Server 2012 Failover Clustering

Surveillance Station Pro
- Supports over 1,400 IP Cameras
- Includes 1 Free Camera License
- Up to 16 Camera Channels via Additional License Purchase
- Intelligent Video Analytics (IVA) for Advanced Video Search
- Visual Aid by E-map
- Surveillance Client for Mac
- Mobile App: VMobile (iOS and Android)

VPN Server
- Secure Remote Access: PPTP & OpenVPN VPN services
- Max No. of Clients: 30

Photo Station
- Organizes Photos in Timeline Automatically
- Tags Photos by Text, Color, and Rating for Quick Search
- Slideshows with Background Music and Different Transition Effects
- Animated Thumbnails for Videos
- Geotags Photos with Google Maps
- Shares Slideshows and Photo through Email, URL, or Social Websites

Music Station
- Plays or Shares Music Collections with Web Browser
- Automatic Classification via Media Library
- Local Playback with USB Speakers/Sound Card
- Internet Radio (MP3)
- Up to 8 Music Alarms

iTunes Server
- Audio and Video Sharing for Windows & Mac iTunes

Video Station
- Web Video Sharing
- Video Categorization and Transcoding
- Publish Videos to Facebook, Twitter, and Google+

DLNA Server
- Supports DLNA/UPnP TVs and Players such as PlayStation 3 and Xbox 360
- On-the-fly Transcoding for Video and Audio (for TS-x70 Pro series only)

AirPlay
- Streams Videos, Photos and Music from NAS to Apple TV via Qfile or QAirplay's Web-based Controller

Digital TV Station
- DVB-T Digital TV Live View, Recording, and Playback
- Supports up to 4 USB TV Tuners*
- Electronic Programming Guide (EPG) with Scheduled Recording

  Note: The availability of DVB-T broadcasting and EPG may vary depending on geographic locations.

Download Station
- PC-less BT, FTP, and HTTP Download (up to 500 Tasks)
- BT Download with Magnet Link and PT Support
- Scheduled Download and Bandwidth Control
- RSS Subscription and Download (Broadcatching)
- Bulk Download with Wildcard Settings
- RapidShare Download Support
- Website Subscription Service: YouTube, Vemeo, niconico
- QNAP Download Management Software: QGet
  - For Both Windows & Mac OS
  - Manage the Download Tasks of Multiple QNAP NAS Remotely over LAN or WAN

HD Station
- Playbacks Videos, Music, Photos on TV with XBMC via HDMI Output
- Watch Various Online Contents Such as YouTube, Flickr, Picasa, Shoutcast, etc.
- Web Browser
- Supports USB U.S. Keyboards and Mice
- Supports iOS Qremote App and the Official XBMC Remote App

  Note:
  1. For the best HD Station experience, QNAP recommends upgrading your Turbo NAS memory to 2GB or more.
  2. The playback and quality of some video files may be affected due to the current CPU and GPU's decoding capability.
  3. Currently the HDMI audio passthrough is not supported.

APP Center
- Adds New Features by Online Installation of over 90 Official and Community Software Add-ons

*This feature may vary according to different models.

** The data encryption functions may not available in accordance with the legislative restrictions of some countries.

Design and specifications are subject to change without notice.

QNAP Systems, Inc.

TEL: +886-2-2641 2000 FAX: +886-2-2641 0555 Address: 2F, No. 22, Zhongxing Rd, Xizhi Dist, New Taipei City 221, Taiwan

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